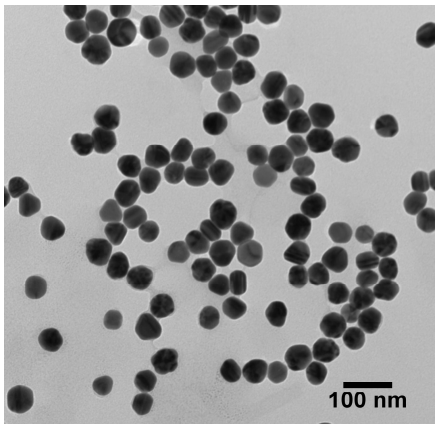
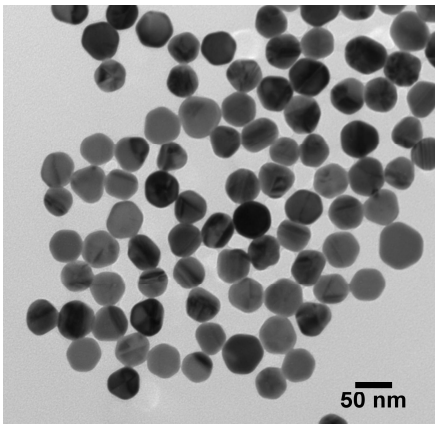
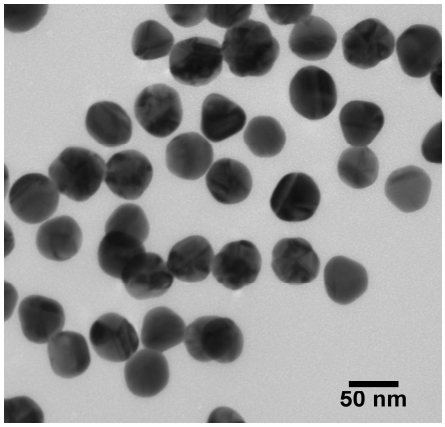
50 nm PVP NanoXact™ Silver

Lot Number: JCP1018

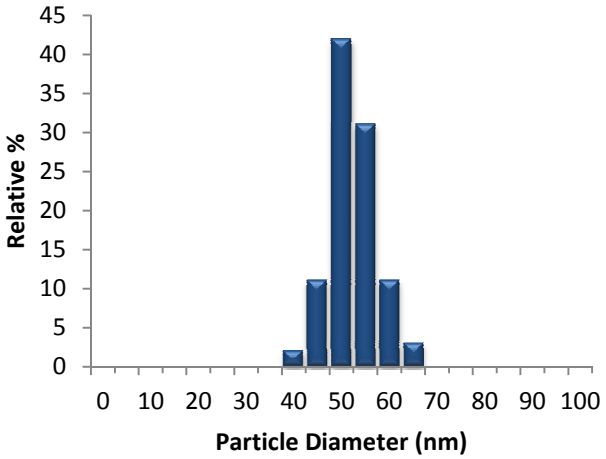
Diameter (TEM):	49.9 ± 4.6 nm	**Hydrodynamic Diameter:**	63.6 nm
Coefficient of Variation:	9.2 %	**Zeta Potential:**	-53.5 mV
Surface Area (TEM):	11.3 m^2/g	**pH of Solution:**	6.2
Mass Concentration (Ag):	0.024 mg/mL	**Silver Purity:**	99.99 %
Particle Concentration:	3.5E+10 particles/mL	**Particle Surface:**	PVP
		Solvent:	Milli-Q Water



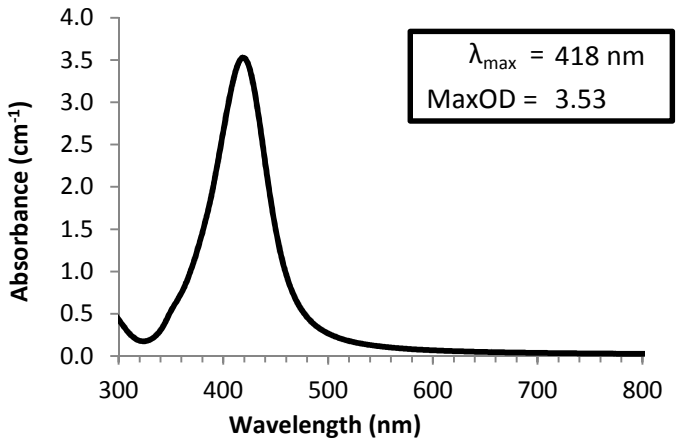




Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:	JEOL 1010 Transmission Electron Microscope
Mass Concentration:	Thermo Fisher X Series 2 ICP-MS
Spectral Properties:	Agilent 8453 UV-Visible Spectrometer
Hydrodynamic Diameter/Zeta Potential:	Malvern Zetasizer Nano ZS.

Storage and Handling: 4 °C away from light. DO NOT FREEZE.

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